

CLIMATE CHANGE RESEARCH PROGRAM

List of Grant Awards

Award	Title	Description	Institution	PI	Duration
\$541,362	The Future of San Joaquin Valley Agriculture Under Climate Change and SGMA	A team of research scientists, engineers, and agricultural economists investigates the environmental and socio-economic impacts of climate change on San Joaquin Valley agriculture and disadvantaged communities in the context of a changing regulatory environment and water supply reductions under the Sustainable Groundwater Management Act.	Cal Poly, SLO	Michael McCullough	24 Months
\$2,632,000	Climate Smart Communities Consortium	A multi-faceted group of researchers from seven academic institutions team up to advance the State's knowledge on the effects from emissions in the transportation sector on disadvantaged communities by focusing on interrelated areas – innovative mobility, electrification, public transit, land use, active transportation, and goods movement—using equity and policy engagement lenses as crosscutting themes. Research centers on regional case study initiatives and statewide initiatives to demonstrate findings.	UC Davis	Daniel Sperling	24 Months
\$688,168	Sea Level Rise, Hazardous Sites, and Environmental Justice in California	Brings together a multi-disciplinary project team to examine the potential impacts of coastal flooding due to sea level rise (SLR) on disadvantaged communities in California, improve public knowledge about flood risks from SLR, and promote more systematic consideration of hazardous sites and vulnerable populations	UC Berkeley	Rachel Morello-Frosch	30 Months
\$373,367	Integrating Land Use and Climate Change on California's Central Coast: Impacts and Adaptations for Local Communities	Researchers explore the Central Coast region to identify the current data gaps in local land-use activities and land-cover and develop critical data, models, vulnerability analyses, and scenarios that managers need to adapt to impending climate change and plan for alleviating community vulnerability to disadvantaged communities within the Salinas Valley.	UC Berkeley	Ruth Langridge	12 Months
\$558,914	Examining the Unintended Effects of Climate Change Mitigation: A New Tool to Predict Investment-Related Displacement	This research estimates the relationship between displacement pressures and California's climate mitigation strategies, policies and the investments made possible by the Cap and Trade program in order to create tools that state agencies can use to predict and mitigate the displacement impacts of future investments.	UC Berkeley	Karen Chapple	30 Months
\$1,000,000	CAL-THRIVES: A California Toolkit for Heat Resiliency In Vulnerable Environments	An interdisciplinary team of researchers from across the state addresses two research and deployment needs identified in the California 2015 Climate Change Research Plan. This research evaluates how to increase the resiliency of the vulnerable in disadvantaged communities during heat waves and assists the California's power sector with improving greenhouse gas emissions reduction rates.	Lawrence Berkeley National Laboratory	Max Wei	24 Months
\$825,853	Increasing Data Accessibility and Climate Resilience Planning Support through Cal-Adapt	Researchers leverage the existing Cal-Adapt web application tool by conducting needs assessments and outreach efforts to help identify new datasets, design and build new features and targeted tools for the application that more thoroughly addresses stakeholder needs beyond the energy sector, and assist state agencies and others with developing actionable plans to adapt to changing conditions.	UC Berkeley	Maggi Kelly	30 Months
\$1,451,460	Measuring the Impacts of Climate Change on Vulnerable Communities to Design and Target Protective Policies.	Researchers quantify financial and health costs of understudied climate impacts across California - workplace morbidity/mortality, wages, unemployment, household energy expenditures, reproductive and prenatal risks, air pollution exposure, inadequate housing quality, and wildfire readiness. Researchers will forecast potential costs due to increases in the number of extreme heat days and create two accessible online mapping tools to inform state agencies, nonprofits, local governments, and community members.	UCLA	George DeShazo	24 Months
\$638,878	Coupling Community Knowledge with Big Data Tools to Facilitate Equitable Energy Transitions	This research integrates datasets to assess the potential support for and acceleration of climate smart transitions within Los Angeles County's low-income and disadvantaged communities by exploring opportunities and translating findings into a new set of interactive, web-based, analytical tools to help users within specific disadvantaged communities to overcome challenges and identify transitioning opportunities.	UCLA	Stephanie Pincetl	24 Months
\$1,790,000	Integrated Land Use Planning to Support Climate Resilient Ecosystems and Local Communities: Fire, Water and Biodiversity	Researchers examine how an integrated, ecosystem-based approach to planning for connected landscapes can support adaptation to climate change especially in relation to concerns over wildfire, water sustainability, and land conservation in southern California's ecosystems and local communities. The project activates a diverse network to provide data and information, support integrated landscape-scale conservation planning, and facilitate science-informed climate adaptation planning across the region.	San Diego State University	Rebecca Lewison	30 Months